

line 11, after "primer", insert --(SEQ ID NO: 4)--.

After page 82 (Abstract), please insert the attached Sequence Listing.

IN THE CLAIMS

Please cancel Claims 1-16.

Please add the following new claims.

1 ~~17~~. An isolated sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

2 ~~18~~. The DNA sequence of Claim ~~17~~¹, which comprises a DNA subsequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

3 ~~19~~. The DNA sequence of Claim ~~17~~¹, which comprises a DNA subsequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

4 ~~20~~. A plasmid, comprising a sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

5 21. The plasmid of Claim ~~20~~⁴, which comprises a DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

6 22. The plasmid of Claim ~~20~~⁴, which comprises a DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

7 23. A transformed cell, which comprises a plasmid comprising a sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

8 24. The transformed cell of Claim ~~23~~⁷, wherein said plasmid comprises a DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

9 25. The transformed cell of Claim ~~23~~⁷, wherein said plasmid comprises a DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

10 26. A method for producing a polypeptide, comprising culturing a transformed cell, which comprises a plasmid comprising a sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

11 27. The method of Claim ¹⁰~~26~~, wherein said plasmid comprises a DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

12 28. The method of Claim ¹⁰~~26~~, wherein said plasmid comprises a DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

13 29. An isolated sequence of DNA, which comprises a DNA subsequence corresponding to from position 996 to 3079 of SEQ ID NO: 1.

14 30. An isolated sequence of DNA, which comprises a DNA subsequence corresponding to from position 1947 to 3079 of SEQ ID NO: 1.

15 31. A plasmid, which comprises a DNA subsequence corresponding to from position 996 to 3079 of SEQ ID NO: 1.

16 32. A plasmid, which comprises a DNA subsequence corresponding to from position 1947 to 3079 of SEQ ID NO: 1.

17 33. A transformed cell, which comprises a plasmid and said plasmid comprises a DNA subsequence corresponding to from position 996 to 3079 of SEQ ID NO: 1.

18 34. A transformed cell, which comprises a plasmid and said plasmid comprises a DNA subsequence corresponding to from position 1947 to 3079 of SEQ ID NO: 1.--

SUPPORT FOR THE AMENDMENTS

The specification has been amended to insert (1) a statement of government support, (2) a reference to the parent application, and sequence identifiers (SEQ ID NO:). Newly added Claims 17-25 are supported by original Claims 2-10. Newly added Claims 26-28 are supported by original Claim 16. Newly added Claims 29-34 are supported by original Claims 14 and 15. No new matter is believed to have been added to this application by these amendments.